

## SESSION 3.6

# **ITS CABINET DAT VERSION 1.0 PROGRAM**

**THIS PROGRAM IS A COMBINATION OF THE EAGLE  
CABINET TEST PROGRAM AND CALTRANS DAT  
PROGRAM DEVELOPMENT**

**TARGETED COMPLETION NOVEMBER 2001**

**MINH V TRAN**



***2070 & ITS CABINET WORKSHOP - AUGUST 2001***

## **ITS CABINET DAT TESTS**

- **SERIAL BUS # 1 - COMMUNICATION COMMAND / RESPONSE BETWEEN 2070 CONTROLLER AND I/O ASSEMBLY WITH SIU (SERIAL INTERFACE UNIT) UNIT**
  - **TEST INDIVIDUAL SIU ADDRESS (CHANNEL 1 SIU)**
  - **TEST MULTI-ADDRESSING AS A SYSTEM**
  - **TEST LOOP OUTPUT / INPUT SIU**
  - **TEST SIU TO ASSEMBLY OUTPUT OR INPUT (FIELD CONNECTOR)**
  - **TEST CMU FUNCTIONS**
  - **TEST CMU / EMERGENCY SYSTEM FUNCTION**



## **ITS CABINET DAT TESTS CONT.**

- **SERIAL BUS # 2 - COLLECTOR OF PREPROCESSED DATA FROM DETECTOR DEVICE BETWEEN 2070 CONTROLLER AND INPUT ASSEMBLY WITH SIU (SERIAL INTERFACE UNIT) UNIT**
  - **2070 COMM TO “SMART” DETECTOR ADDRESS VIA SIU (CHANNEL 2)**
  - **MULTI INPUT ASSEMBLY COMM DETECTOR ADDRESS UP TO 5 ASSEMBLER OR 60 DETECTOR SENSOR UNITS**
  - **CHECK TIMING AT 19.2 KBPS PER DETECTOR RESPONSE PACKET OF 10 DATA BYTES**

## ITS CABINET DAT TESTS CONT.

- **SERIAL BUS # 3 - MONITOR SYSTEM**
  - AFTER SERIAL BUS #1 TEST OF CMU
  - TESTING CMU / AMU INDIVIDUAL ADDRESS
  - TEST CMU TO MULT AMU ADDRESSSS
  - TEST TIMING LOOPS
  - TEST AMU SENSING
  - TEST CMU PROCESSSSING